



The Blurb



Newsletter of The Phil-Mont Mobile Radio Club
Public Service Since 1949

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<http://www.phil-mont.org>

December 2003



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The Blurb is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. *Copying and quoting* is permitted with a credit line. We gladly exchange publications with other amateur radio clubs. Requests should be sent to the Editor. *Subscriptions* are available to non-members for \$10, addressed to the Treasurer.

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Labels and mailing: WB3KOJ & WB3KOH

Submissions deadline: all copy must be in the hands of the Editors by the 20th of the previous month.

Sunday Morning Net Schedules

- **2 Meter/ 70cm Net**.....at 09:30et on W3QV repeater
- **10-on-10 Net**at 10:00et 28.393 MHz USB (\pm QRM)
- **75 meter Net**at 10:20et 3.993 MHz LSB

License Examinations

are held on the **first non-holiday Thursday** each month (except July and August) at **Northeast High School,**

Cottman and Algon Streets, Philadelphia PA

Registration begins at 6:00 P.M. Enter through the SPARC wing. Exams begin and doors closed and locked at **6:30 P.M.**

Sharp! Applicants should call Dusty ND3Q at 215-879-0505 (day) or 215 482 0386 (eve) for the latest information.

Contact Phil-Mont:

P.O. Box 88

Abington, PA 19001

<http://www.phil-mont.org>

webmistress Maggie K3XS k3xs@arrl.net

For club information: contact any club officer, or the repeaters listed below. Address or club directory changes, and articles that are for the membership e-mail list should be sent to:
wb3koj@comcast.net

The club meets at 7:30 PM on the **second non-holiday Wednesday** of every month except July and August at **The Masonic Home of Pennsylvania**
801 Ridge Pike
Lafayette Hill, PA 19444-1799
All visitors are welcome!

Club Stations

W3QV Club Repeater – Trustee: W3BBB

Ridge & Port Royal Avenues, Philadelphia, PA

147.03 MHz + PL 91.5 Hz 444.80 MHz + PL 186.2 Hz

W3AA at Northeast High School –Trustee: WU3I

Cottman and Algon Streets, Philadelphia, PA

W3EM – Field Day and special event station

Trustee: W3VVS

President: KB3IV

Ed Masarsky

15 Poe Ave

Wyncote PA

19095-2903

215-572-5238

k3iv@verizon.net

Vice President: W3STW

Al Tribble

2848 Carter Rd.

Trevoze PA 19053

wstw@juno.com

Secretary: WA3KIO

Fred Rice

1933 Greymont St.

Philadelphia PA

19116-3804

215-673-2854

wa3kio@arrl.net

Treasurer: W3RM

Richard A. Moll

roger.mike@verizon.net

Asst. Treasurer: N3MT

Micheal P. Taraborrelli

mtarab01@villanova.edu

Directors: WU3I (04), W3BBB(03), N3MT (03), K3CJ (04), W3AOK(03), K3XS(04), N3XKE (A)

Committees

Archives: NG3P

Audit: NS3K

Awards: open

Blurb folding:

WB3KOJ & WB3KOH

Directory: WB3KOJ

DX: N3MT

Emerg. Coord.: K3HWE

Field Day: open

Internet: K3XS

Membership: W3LEN

Net Control: KB3IV

Publicity: W3RM

Program: Club VP

Public Service: open

Refreshments: W3AOK

Repeater: W3BBB

Skywarn: WX3PHI

Sunshine: N3GLU

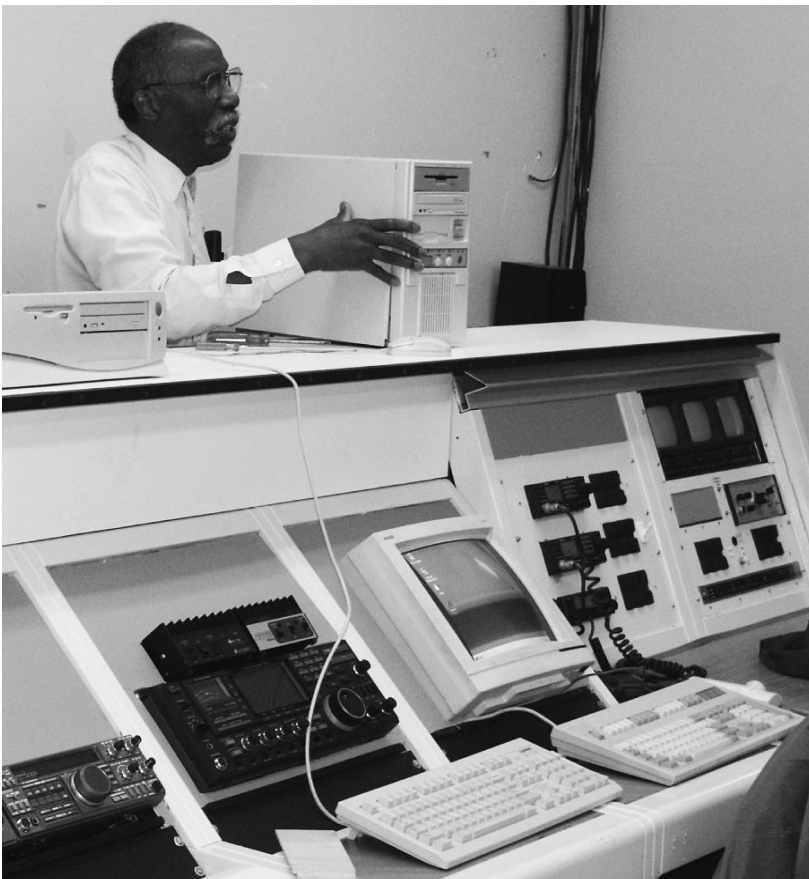
Youth: N3MT

TVI: W3VVS

VE Program: ND3Q

W3AA Trustee: WU3I

Welcome: K3CJ.



Things are happening...

...at W3AA/W3YC. PMRC members have been very busy over the last few months bringing the new station into readiness for operation.

Thanks to Steve, KC2HGC (see him at the console in the picture on the following page), Amateur Radio is now active at the SPARC Wing of the North East Public High School located in northeast Philadelphia, Pa. Steve is volunteering to run the station during school hours.

This activity allows students to get first hand information on what Amateur Radio is and how it works. The station still is in dire need for adult amateur radio operators with a valid license to come in and man the controls, if you can help please contact Steve, WU3I or Al W3STW—see page two of the Blurb for contact information.



Steve, KC2HGC mans the new console at W3AA/W3YC at Northeast High School. This station, and the extracurricular amateur radio courses now taught at the school by amateur radio instructors help bring direct experience with radio communications and space operations to NEHS students in the SPARC program, who have been brought to the school by their interest in aviation and astronautics technology.

From the Editor...

Well, I find myself building a December edition of the *Blurb* once again—this will be the last number of Volume 53. This is now my second anniversary as your editor; and I've been looking back over the last 24 issues in my file.

There's been a fair amount of water over the dam (or under the bridge, depending on your choice of metaphor) since I first took the helm here in January 2002. We observed our 50th anniversary of operation of W3AA/W3TKQ at the Franklin Institute in March of that year, only to learn later that year that the station had to find new quarters. We're now in operation at our new location in the SPARC wing at Northeast High School, with a grand opening soon to be announced. You can see photo coverage of the new W3AA elsewhere in this issue.

In February 2002, we featured the history of Phil-Mont's repeater stations, and included a technical overview of the W3QV system as it was then. Since then, various remote sites have been added (and some removed) to supplement the system coverage...our most

recent addition being in Villanova PA, with tower work covered in our November 2003 issue.

May and June 2002 saw reporting on the justly-famous W3RM /N3MT "Aruba SCUBA" DXpedition. We've been able to provide occasional technical and historical features such as "Digital Modes in Amateur Radio" (May 2002), "Satellites and Space in Amateur Radio" (July 2002), and "Putting PMRC on the Map" (Aug. 2003). And in March of this year, we started publishing our "Ask Ted" Windows tips from N3OWM.

It's been a real privilege to continue the tradition of the Phil-Mont *Blurb*, (a publication that is only slightly older than I am!) Working with the other club officers and members, and especially the other members of the *Blurb* team, Don, Natalie and Bill has been a treat. (Of course, I do work a *bit* more closely with our Assistant Editor and Club Archivist Gwen NG3P).

Here's wishing you all the blessings of whatever winter holidays you celebrate, and looking forward to a happy and prosperous 2004

73 de Maggie K3XS, *Blurb* Editor

Ask Ted de N3OWM: Broadband Connections Overview

Connectivity via broadband to your PC

Figure A shows a typical connection setup for one PC, DSL/CABLE. For DSL the connection is via POET or point-to-point protocol over Ethernet. Comcast Cable systems are usually a direct connect. The Internet Service Provider (ISP) usually provides the installation/connection software. The modem can be connected to your PC via a Universal Serial Bus or Ethernet

Your PC connection information can/maybe setup automatically by the installation software. Your IP address will be assigned by the ISP along with DNS and Gateway info. This process is call DHCP or Dynamic Host Configuration. The ISP will also provide info about your mail account. You need a login ID, password and the Domain name or IP address of the POP3 server and SMTP server.

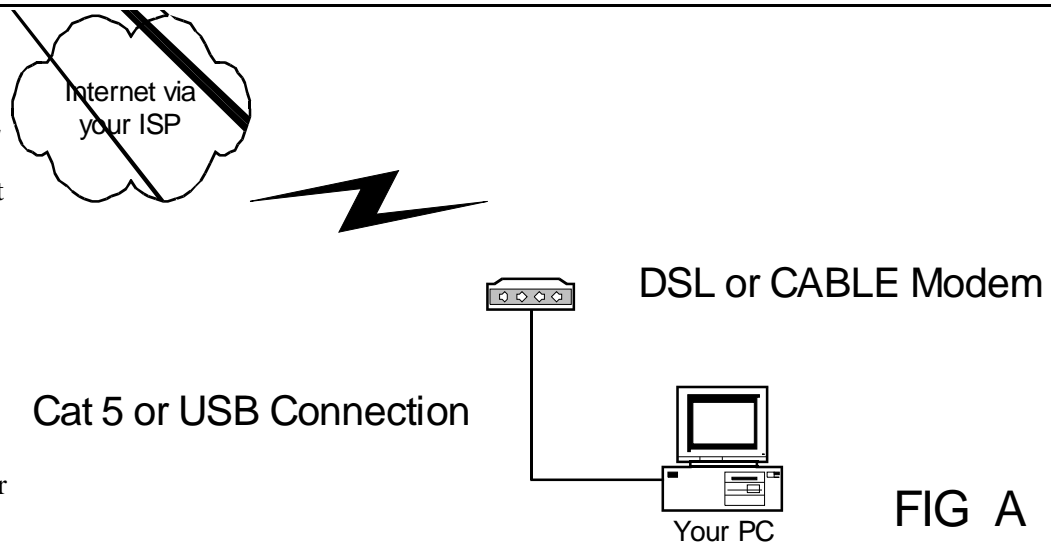


FIG A

Figure B is a setup for more then one system. PC A is a system that can handle Internet connection sharing or ICS. Note: Windows systems running 98 Se and newer have this feature (ICS) as part of the Operating system. This PC (A) has two Ethernet boards installed (NICs), one connected to the broadband modem and the other NIC is connected to a hub, the

linksys 5 port hub is a good an inexpensive choice. Up to four more PC can be connected via the hub. The ICS software takes care of the assignment of address data, (IP DNS and the gateway). I have DOS, Linux and Windows system connected to my hub and all have access to the Internet. All the systems are set up as a DHCP client. The connections described above are OK, but need some extra software to block attacks from outside sources, firewalls that is. Software firewalls are OK, however they do add extra layers of connectivity on the PC. That is more software to configure and keep up to date.

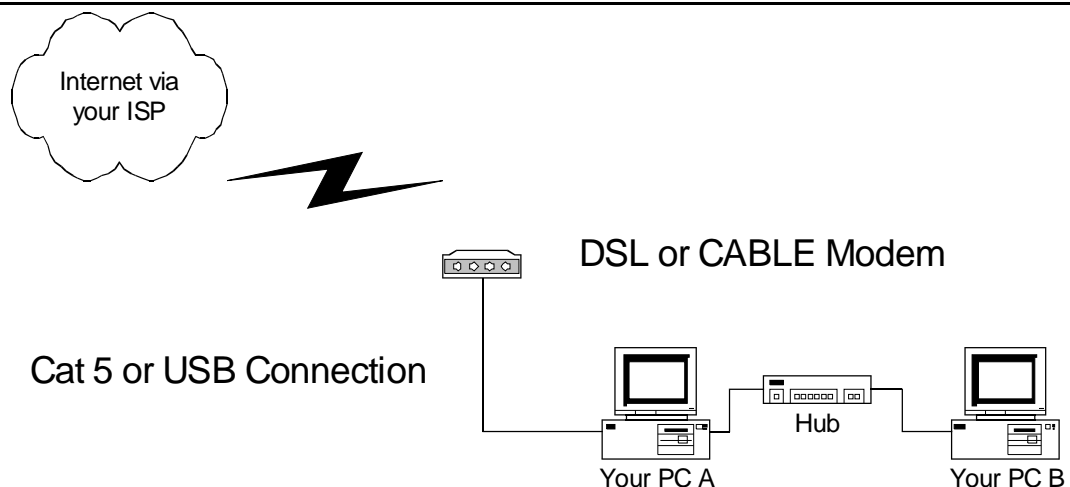
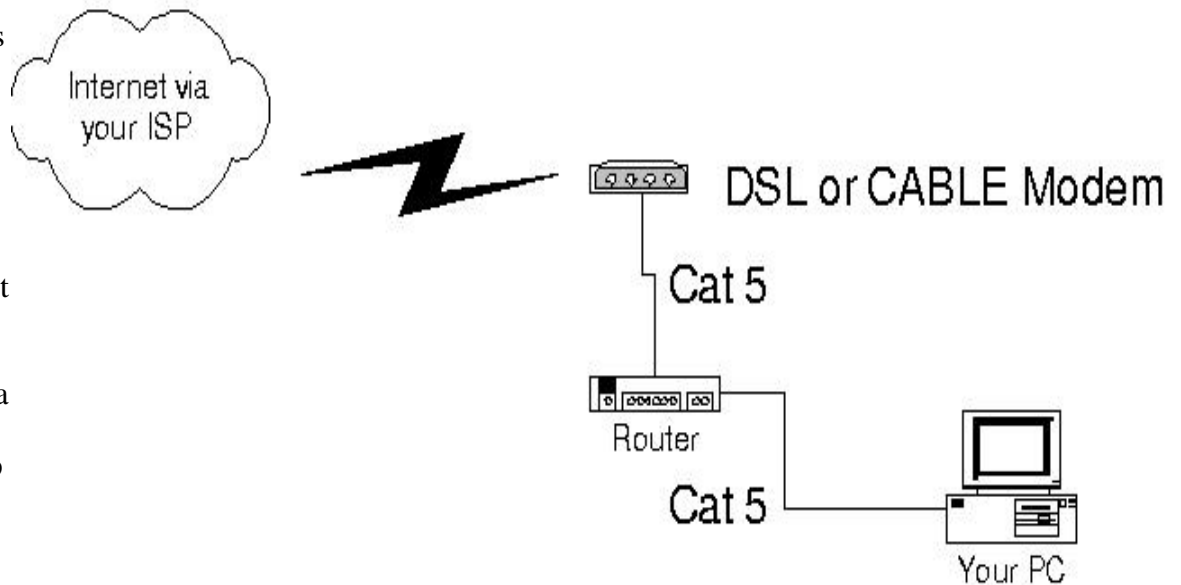


FIG B

I like to use and recommend the linksys DSL/Cable router/hub. (FIG C). This router/hub is easy to setup and is almost maintenance free. It will connect to Comcast cable with out changing any settings! Some small changes are needed to connect a DSL provider. The router/hub can have up to 5 PC's connected to it. This router hub can be wireless or cat 5 connected. For wireless

I favor Linksys products, if you do decide on a different vendor buy ALL of the wireless products from the same vendor.



I copied some info from the echolink site.

Why doesn't my Echolink work with my Linksys router?

Echolink will work with your Linksys router. There are two things you need to do and you can also find this information in the readme file that came with your Echolink download. You need to log into the router via your internet browser.

Assuming you had left the router address as defaulted, 192.168.1.1 go to you browser and type <http://192.168.1.1> . This should connect you to the web server that is built in to your Linksys router. Follow these two steps.

First you need to program your PC for a static IP address and not one that is automatically assigned by the router. You can use 192.168.1.100 as your static address.

static IP addresses with DHCP addresses.

Now click on the Advanced Tab / Forwarding. You will need to forward packets to your ports on your Echolink PC (192.168.1.100 in our example above) as follows:

Port 5198 UDP

Port 5199 UDP

Port 5200 TCP

BTU DE N3OWM, This is an overview need more data theoikar@bellatlantic.net Next month more on TCP/IP

All connections to the Internet need an IP address (internet protocol). This address is usually represented by a group of decimal numbers.

Example 192.122.123.40

This is sort of like your zip code and then your house street and number. . The next entry is a gateway or the address of the first street to take to get out of the zip code you live on. Next is the Domain Name Service or DNS entry or the yellows pages. The computer using the DNS protocol can look up the name of a host (domain name) get the ip address. There is one more entry called a netmask usually a number like 255.255.255.0 this separates the zip code from the street address.

Hint: If you have more than 1 PC on your LAN then you can mix

From W3STW–Al Tribble

Greetings fellow Phil–Monsters, just a few words I hope you will remember as you cast your ballot for PMRC President. I am a candidate for that office and I bring ten years of PMRC experience as Secretary, managing W3TKQ / W3AA and Vice President. I hold a valid Extra Class Amateur Radio license and have done so continuously for the last fifty plus years and a Masters' in BAU (Business As Usual). Therefore rest assure there will be no drastic changes once I am in office. Al W3STW.

From N3MT – Michael Taraborrelli

I am seeking re–election as a director, having completed my second board term. I wish to continue to offer the board the ideas, perspective and energy of a younger, but experienced, ham and club member. First licensed as a Tech in November, 1994, I upgraded to Extra Class five months later. I've been active on the HF bands for all of my nine licensed years, primarily on CW. DXing, contesting and rag chewing continue to be my main interests. I also had the opportunity to participate in, and experience, two DXpeditions: as VP5/N3MT and P40MT.

I've served Phil–Mont as a W3AA volunteer operator; on the MS–150; on the DX and Youth committees; and for nine years as a

Phil–Mont Mobile Radio Club Candidates for 2004 offices

President (vote for one):

Al W3STW
Ed KB3IV

Vice President:

Bill W3AOK

Club Secretary:

Jim NS3K

Treasurer:
Dick W3RM

Director (vote for three):

Fred WA3KIO
Jim W3BBB
Gene N3XKE
Mike N3MT
Eric N3YXZ

Judge of elections is Jim W3BBB. Election will be held at the regular meeting (December 10, 2003). Absentee Ballots by mail (500 Troxel Rd., Lansdale PA 19446) are preferred, but will be accepted by email (w3bbb@enter.net) or telephone ((215)362–5172).

Field Day operator at the 40– meter CW position, the last six years as band captain. Now graduated from Villanova University, I believe I can devote more time and energy to learning and leading new paths for our club. I've been privileged to have received a Ham Radio Scholarship, through the Foundation for Amateur Radio, during each of my collegiate years. Having witnessed the interest in our hobby that ham scholarships generate among younger people, I was proud to co–sponsor the board resolution which established a Phil–Mont Scholarship Program, with the first PMRC scholarship to be awarded through F.A.R. in 2002. I'm proud to be a ham and a Phil–Mont member, and want to continue to influence younger people to join us. I respectfully request your vote for another term as a Phil–Mont director. Thanks, and 73. Mike, N3MT

A Little Respect, Please

Several times in meetings this year, I have noticed unrelated conversations in progress between members when the President or another speaker has the floor.

This is discourteous and downright insulting.

We are more than happy to see your interest in Phil–Mont meetings and we appreciate your attendance. But if you have something to discuss with another member or guest, why not wait until break time or the end of the meeting?

Your officers and guest speakers have taken the time to work for this club, so let's give them the courtesy of our attention. If you think this is an old–fashioned attitude, consider that it came from the patriarch.
–BBB

(Your editor agrees, and she ain't nobody's patriarch. –ed)

11-05-03 Philmont Board of Directors Meeting

Attending were Jim W3BBB, Dick W3RM, Maggie K3XS, Fred WA3KIO, Al W3STW, Steve WU3I, Ed KB3IV, and Bill W3AOK.

Ed KB3IV called the meeting to order at 8:02pm.

Dick W3RM reported the treasury is in good shape. The budget is on target. About three quarters of the money is in for Haring Memorial Fund. Steve WU3I made a motion to accept the treasurer's report. Maggie K3XS seconded it.

Maggie K3XS reported no problems with the Blurbs.

Flyers for the January Auctionfest are going out and will be downloadable from the website. Dick W3RM will be working on publicity for the event.

There were no new applications for membership this month.

Ed KB3IV reported nets are running fine although band conditions have been poor on 75 and 20 meters.

W3AA/W3YC: A discussion was held on publicizing the station at Northeast High School. Repeater: Jim W3BBB reported that UHF is down. The problem is unknown right now but will be looked into. The Villanova site was down but has been taken care of. Elections will be up in December. A slate of candidates was prepared for presentation at the general



VE Exam Session Statistics for November 6th 2003

No examinees presented, possibly due to some miscommunication about testing dates. The schedule for the rest of this year and all of 2004 is provided below.

The VE team was chaired by Dusty Rhoads **ND3Q**, and the other participating VEs were :
Bob Freer W3YLT, Jim McCloskey NS3K

Upcoming Exam Sessions:

December 4, 2003

January 8, 2004

February 5, 2004

March 4, 2004

April 1, 2004

May 6, 2004

June 3, 2004

September 9, 2004

October 7, 2004

November 4, 2004

December 2, 2004

(See page 2 for details)

meeting. Nominations will also be taken at the general meeting.

Programs: For November, a report on BPL (broadband over powerline) will be presented by Bill W3AOK. A communication was received from the ARRL for their BPL program requesting contributions. At this time with no further business, Al W3STW made a motion to adjourn. Steve WU3I seconded it. The meeting was adjourned at 9:28pm.

73 de WA3KIO

11-12-03 General Meeting

19 members and guests were in attendance.

Ed KB3IV called the meeting to order at 8:02pm.

Treasurer's Report: Dick W3RM

reported we are very close to our budget and a little short in our scholarship fund.

Blurb: Maggie K3XS is in need of articles.

Nets: Ed KB3IV reported that the nets are running fine. As the weather gets colder, Ed asked for members to fire up their equipment and support the nets by checking in.

VE testing: Dusty ND3Q reported no one at last session likely due to inclement weather.

W3AA/W3YC: Al W3STW reported that everything is up and running at Northeast High and 8 students are in the amateur radio class presently. Some have expressed interest in code. Steve WU3I reported that the painting at the school station is finished. The only thing left is the possibility of the tower with things still being worked out.

Steve also reported on a public service event Brian's Run. Contact Charlie W3WF for more info.

Steve reported that Echolink is running fine. A small glitch caused by small power outages making the computer reboot has been taking care of with a UPS courtesy of Ra KB3JCR.

Repeater: Jim W3BBB reported that the UHF final is out presently. It should be back soon. Villanova was out but is up and running presently.

Ed KB3IV read the slate of candidates for offices:

For President:

Ed KB3IV, Al W3STW.

For Vice-President:
Bill W3AOK.

For Secretary:
Jim NS3K.

For Treasurer:
Dick W3RM.

Candidates for Directors, three will be elected:

Fred WA3KIO, Jim W3BBB, Gene N3XKE, Michael N3MT, and Eric N3YXZ

Ed KB3IV as nominating chairman opened up the floor for nominations. With none being offered, nominations were closed. Jim W3BBB was appointed as judge of elections

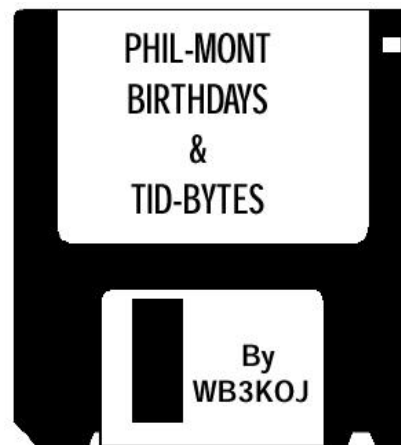
to oversee elections and take care of absentee ballots.

After the 50-50 and a short break, the meeting was adjourned at 8:57pm and turned over to Bill W3AOK for a talk on broadband over power line (BPL).

73 de WA3KIO

We have learned that PMRC member and ex-president Russ Stafford is hospitalized down in Georgia with some severe foot problems that have required multiple surgeries; it appears he may be sidelined for an extended period.

Russ Stafford
Room 615 Kennestone Hospital
(770-793-6615)
677 Church NE
Marietta, GA 30060



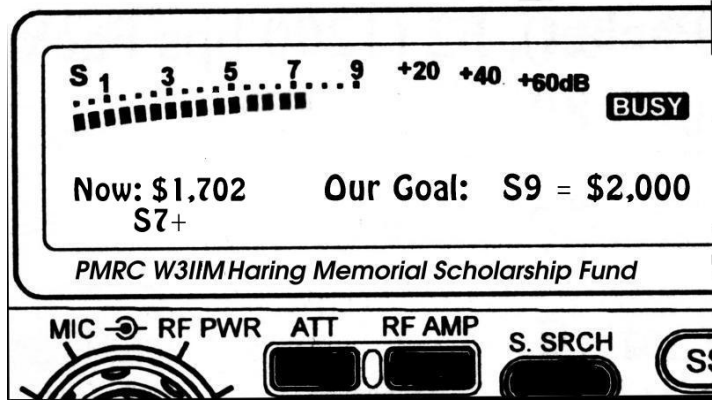
Membership Stats

At press time P.M.R.C. has:
108 FULL PAID MEMBERS
9 FAMILY
2 YOUTH MEMBERS
2 HONORARY MEMBERS
0 PENDING MEMBERS

December Birthdays

- 01 Eric Marano – N3XYZ
- 02 Don Gordon – WB3KOJ
Patricia Katz (XYL N3OWM)
- 06 Susie Lada – N3FTY
- 08 Jules Stein – KB3AFH
- 19 Larry Stevenson – K3HWE
- 20 Mike Tannenbaum – K2BN
- 21 Rick Spencer – N3FD
- 23 Roy Newman – KC2FIO
- 24 Marty Weinberg – WP4MSX
- 25 Len Hughes – W3LEN
Jim McCloskey – NS3K
- 27 Mindy Pollack (XYL N3VLC)
Jim Spencer – W3BBB
- 28 Betty King (XYL W3PXY)
Tony Simek – N3YNH
- 30 Adam Hoffnagle – KB3JCT*

*New Member – 2003



At press time, contributions to the Phil–Mont Scholarship Fund total \$1,702, pushing the S–meter up to a respectable S–7+. But with only a month left, it will take another \$300 to power us to S–9, and attain our goal to underwrite the 2004 Haring Memorial Scholarship. Contributions of cash or saleable ham equipment are tax deductible. Checks payable to P.M.R.C., Inc., marked for the Scholarship Fund, may be sent to the treasurer at P.O. Box 88, Abington, PA 19001. For additional information, see the club website, www.phil–mont.org, or contact W3RM.

| Date | December 2003 with PMRC |
|--------|---|
| Mon 01 | |
| Tue 02 | |
| Wed 03 | PMRC Board meets at WRDV |
| Thu 04 | VE Exams at Northeast High School, see p2 |
| Fri 05 | |
| Sat 06 | |
| Sun 07 | NCS: 2m W3YXZ–75mW3YXZ |
| Mon 08 | |
| Tue 09 | |
| Wed 10 | PMRC General Meeting — Election of Officers |
| Thu 11 | |
| Fri 12 | |
| Sat 13 | |
| Sun 14 | NCS:2m N3OWM –75M WA3KIO |
| Mon 15 | |
| Tue 16 | |
| Wed 17 | |
| Thu 18 | |
| Fri 19 | |
| Sat 20 | Hanukah begins |
| Sun 21 | NCS: 2m&75m KB3IV–Winter Solstice 7pm |
| Mon 22 | |
| Tue 23 | |
| Wed 24 | Christmas Eve |
| Thu 25 | Christmas Day |
| Fri 26 | |
| Sat 27 | Hanukah ends |
| Sun 28 | NCS: 2m N3FTY–75m W3STW |
| Mon 29 | |
| Tue 30 | |
| Wed 31 | New Year’s Eve |

First Class Mail

The Phil-Mont Mobile Radio Club, Inc
641 Kismet Road Philadelphia PA 19115

The Blue